



NOTES:

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. INSTALL NTC AND XNET CABINETS, CONDUITS, AS SHOWN.
3. DISCONNECT AND PULL OUT 28 PAIRS OF CABLES FROM NTC-11 AT 7th FLOOR FA CLOSET TO PULL BOX "B", VIA CONDUIT "B2".
4. DISCONNECT AND REMOVE 14 PAIRS OF CABLES FROM NTC-SB AT 9th FLOOR FA CLOSET, TO PULL BOX "B", AT 7th FLOOR, VIA CONDUIT "B1".
5. INSTALL 28 PAIRS OF CABLE FROM NTC-X5 ON 9th FLOOR MER TO PULL BOX "C", VIA CONDUIT "B2".
6. INSTALL 14 PAIRS OF CABLE FROM PULL BOX "C" ON 9th FLOOR TO NTC-SB AT 9th FLOOR FA CLOSET, VIA CONDUIT "B1".
7. INSTALL 14 PAIRS OF CABLE FROM PULL BOX "C" ON 9th FLOOR TO PULL BOX "B" ON 7th FLOOR, VIA CONDUIT "B1".
8. INSTALL 28 PAIRS OF CABLE FROM PULL BOX "B" ON 7th FLOOR TO NTC-11 AT 7th FLOOR FA CLOSET, VIA CONDUIT "B2", AND RECONNECT TO SAME TERMINALS.
9. DISCONNECT AND REMOVE 5 PAIRS OF CABLE FROM NTC-SB AT 9th FLOOR FA CLOSET TO NTC-F, VIA CONDUIT "C2".
10. INSTALL 5 PAIRS OF CABLE FROM NTC-SB ON 9th FLOOR FA CLOSET TO NTC-F, VIA CONDUIT "C2".
11. DISCONNECT AND PULL OUT 28 PAIRS OF CABLE VIA CONDUIT "B2-1" FROM NTC-12 ON B1 LEVEL FA CLOSET TO PULL BOX "A".
12. REINSTALL 14 PAIRS OF CABLE, THAT ARE LABELED UP, IN CONDUIT "B1" FROM PULL BOX "A" TO NTC-13.
13. REINSTALL 14 PAIRS OF CABLE, THAT ARE LABELED DOWN, BACK FROM PULL BOX "A" TO NTC-12 VIA CONDUIT "B2-1".
14. INSTALL 4 PAIRS OF CABLE FROM NTC-1 AT B1 LEVEL FA CLOSET TO NTC-12, VIA EXISTING CONDUIT "C2" (LEAVE EXISTING 2 PAIRS OF CABLE IN "C2"). THERE IS TOTAL OF 6 PAIRS IN CONDUIT "C2".
15. DISCONNECTION AND FINAL CONNECTION OF CABLES SHALL BE MADE BY CONTRACTOR IN THE PRESENCE OF THE ENGINEER.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. 177-91-021 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE 12/1/99 *[Signature]*
DATE 12/1/99 *[Signature]*
CONTRACT ENGR/ARCH.
ENGINEERING PROGRAM MGR.

CIRCUITRY LEGEND

"A"	CONDUIT "A"	14-14/2 SHIELDED TEFLON CABLES IN 1 1/2" GSC
"A1"	CONDUIT "A1"	16-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"A2"	CONDUIT "A2"	16-14/2 SHIELDED TEFLON CABLES IN 1 1/2" GSC
"B"	CONDUIT "B"	14-14/2 SHIELDED TEFLON CABLES IN 1 1/2" GSC
"B1"	CONDUIT "B1"	14-14/2 SHIELDED TEFLON CABLES IN 1 1/2" GSC
"B2"	CONDUIT "B2"	28-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"B2-1"	CONDUIT "B2-1"	28-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"C"	CONDUIT "C"	2-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"C1"	CONDUIT "C1"	5-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"C2"	CONDUIT "C2"	6-14/2 SHIELDED TEFLON CABLES IN 2" GSC
"D"	CONDUIT "D"	7-14/2 SHIELDED TEFLON CABLES IN 3" GSC
"D1"	CONDUIT "D1"	8-14/2 SHIELDED TEFLON CABLES IN 3" GSC

THE PORT AUTHORITY
OF NEW YORK

[Signature]
ENGINEERING PROGRAM MANAGER
WORLD TRADE
[Signature]
CHIEF ELECTRICAL ENGINEER

No. Date Revision Approved

ENGINEERING DEPARTMENT

WORLD
TRADE
CENTER

ELECTRICAL

Fire Alarm System
PHASE III
5 WTC MER'S, EMR'S
AND SUBSTATIONS

STYLE-7 IMPLEMENTATION
AND NETWORKING
RISER DIAGRAM

This drawing subject to conditions in Contract. All
inventions, ideas, designs and methods are the
property of Port Authority and may be used
without its written consent.

FELDSTEIN ROYZMAN
Designed by Drawn by Checked by

5-17-99
Date

WTC-861.571

Contract Number Drawing No.

E-2